

Summary of Monthly Normals
1991-2020

Generated on 04/17/2024

Current Location: Elev: 40 ft. Lat: 32.8986° N Lon: 80.0403° W
Station: CHARLESTON INTL AP, SC US USW00013880

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	60.2	38.9	49.5	3.5	3.7	3.5	53.4	37.0	19.3	3.9	0.2	0.1	222.2	267.8	343.1	482.7	0.0	0.0	25.9	0.1	9.1	0.0
02	63.8	41.6	52.7	3.9	3.5	3.6	70.3	50.5	27.9	7.2	0.7	0.2	134.7	170.8	232.3	351.5	0.0	0.0	25.7	0.0	4.4	0.0
03	70.1	47.3	58.7	3.4	3.4	3.2	176.1	136.9	86.8	31.3	5.9	2.1	61.4	84.2	127.1	226.6	0.0	0.0	30.3	0.0	1.6	0.0
04	77.1	54.5	65.8	2.2	2.5	2.2	330.9	276.9	201.6	98.6	33.3	17.8	6.9	12.8	27.5	74.6	0.0	0.6	30.0	0.0	0.0	0.0
05	83.6	63.0	73.3	2.0	2.7	2.2	567.5	505.8	413.8	266.3	136.7	94.2	0.2	0.5	1.5	9.0	0.1	4.8	31.0	0.0	0.0	0.0
06	88.5	70.4	79.4	2.6	1.9	2.1	733.5	673.5	583.5	433.8	285.7	228.3	0.0	0.0	0.0	0.3	0.2	13.5	30.0	0.0	0.0	0.0
07	91.3	73.7	82.5	1.7	1.2	1.3	852.4	790.4	697.4	542.4	387.5	325.6	0.0	0.0	0.0	0.0	0.3	21.4	31.0	0.0	0.0	0.0
08	89.8	73.1	81.4	1.4	1.5	1.3	819.9	757.9	664.9	509.9	355.0	293.3	0.0	0.0	0.0	0.0	0.2	17.2	31.0	0.0	0.0	0.0
09	85.4	68.3	76.9	1.8	2.0	1.7	655.4	595.4	505.6	357.1	215.0	162.3	0.0	0.0	0.1	1.6	0.0	6.3	30.0	0.0	0.0	0.0
10	77.9	57.7	67.8	2.0	3.2	2.4	402.2	344.6	262.1	143.2	57.5	35.1	5.5	9.8	20.3	56.4	0.0	0.5	31.0	0.0	0.0	0.0
11	69.4	47.1	58.3	3.1	3.3	3.1	160.5	125.3	82.0	31.5	7.4	3.1	62.9	87.8	134.4	234.0	0.0	0.0	29.6	0.0	1.3	0.0
12	62.7	41.6	52.2	4.2	4.7	4.4	78.7	58.0	33.7	9.3	1.5	0.6	167.0	208.3	277.1	407.6	0.0	0.0	27.8	0.0	6.0	0.0
Summary	76.6	56.4	66.5	2.6	2.8	2.6	4901	4352	3579	2434	1486	1163	661	842	1163	1844	0.8	64.3	353.3	0.1	22.4	0.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	3.37	8.9	5.8	2.3	1.0	1.60	2.85	4.01	
02	3.05	8.5	5.1	2.1	0.8	2.01	2.46	3.26	
03	3.35	8.2	5.2	2.2	1.0	2.17	3.63	4.52	
04	3.29	7.9	5.4	2.1	1.0	1.77	2.83	4.48	
05	3.32	8.1	5.1	2.2	1.0	1.66	3.02	4.46	
06	6.21	12.1	8.4	4.3	2.0	4.09	5.12	7.63	
07	6.60	13.2	9.4	4.4	2.0	4.48	6.84	8.43	
08	6.97	13.1	8.9	4.3	2.2	4.45	7.39	9.49	
09	6.01	10.2	6.8	3.5	1.9	3.63	5.35	8.11	
10	4.33	7.3	4.6	2.3	1.1	1.52	3.20	5.34	
11	2.66	6.9	4.0	1.8	0.9	1.45	2.26	3.50	
12	3.35	9.3	5.7	2.3	0.8	1.76	2.53	4.38	
Summary	52.51	113.7	74.4	33.8	15.7	30.59	47.48	67.61	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	0.20	0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.00	0.00	0.00
02	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.3	0.2	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	320.2	361.8	581.2	774.0	1032.3	1183.5	1317.5	1284.9	1105.5	861.8	548.0	387.2
45	202.0	238.6	430.9	624.1	877.3	1033.5	1162.4	1129.9	955.4	706.8	402.3	256.3
50	111.8	139.6	292.7	475.0	722.3	883.5	1007.4	974.9	805.4	552.9	268.8	150.5
55	53.4	70.3	176.1	330.9	567.5	733.5	852.4	819.9	655.4	402.2	160.5	78.7
60	19.3	27.9	86.8	201.6	413.8	583.5	697.4	664.9	505.6	262.1	82.0	33.7
Growing Degree Units for Corn (Monthly)												
50/86	185.2	211.2	350.7	493.4	703.9	829.8	922.7	909.7	780.3	565.1	333.0	222.8

Growing Degree Units (Accumulated Monthly)												
40	320	682	1263	2037	3070	4253	5570	6855	7961	8823	9371	9758
45	202	441	872	1496	2373	3406	4569	5699	6654	7361	7763	8019
50	112	251	544	1019	1741	2625	3632	4607	5413	5965	6234	6385
55	53	124	300	631	1198	1932	2784	3604	4259	4662	4822	4901
60	19	47	134	336	749	1333	2030	2695	3201	3463	3545	3579
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	185	396	747	1240	1944	2774	3697	4607	5387	5952	6285	6508

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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